



ZEP Manufacturing Company
Acuity Specialty Products Group, Inc.
P.O. Box 2015
Atlanta, GA 30301
1-877-I-BUY-ZEP

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name CONCENTRATED T N T
Product Use Concentrated Liquid Truck and Trailer Wash
Product Code 0387
Date of issue 03/18/04 **Supersedes** 12/13/01

Emergency For MSDS Information:

Telephone Numbers Acuity Specialty Products Group, Inc.
Compliance Services 1-877-I-BUY-ZEP

For Medical Emergency

INFOTRAC:

(877) 541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency

CHEMTREC:

(800) 424-9300 - All Calls Recorded

In the District of Columbia (202) 483-7616

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Prepared by Compliance Services Group

Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
SODIUM METASILICATE; silicic acid (H ₂ -Si-O ₃) disodium salt; water glass	6834-92-0	<5	OSHA (United States). : 2 mg/m ³ Form: Dust Not available.
TETRASODIUM ETHYLENEDIAMINE	64-02-8	10-20	
TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt			
ALCOHOLS, C9-11, ETHOXYLATED; linear primary alcohol ethoxylate	68439-46-3	<5	Not available.
NONYLPHENOXY POLY(ETHYLENEOXY)	9016-45-9	<5	Not available.
ETHANOL - npe; poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy			

Section 3. Hazards Identification

Acute Effects

Routes of Entry Not applicable.

Skin

Hazardous in case of skin contact (irritant). Non-sensitizer for skin. Causes skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

Eyes

Hazardous in case of eye contact (irritant). Causes severe eye irritation. Prolonged contact with eye tissue may cause severe and permanent eye injury (blindness).

Inhalation

Hazardous in case of inhalation. May cause irritation of respiratory tract, coughing, shortness of breath.

Ingestion

May be fatal if swallowed. May cause burns to mouth, throat and stomach.

Carcinogenic Effects

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects

Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

See Toxicological Information (section 11)

HMIS

Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	B

Section 4. First Aid Measures

Eye Contact

Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops.

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, seek immediate medical attention.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Not applicable. **Flammable Limits** Not applicable.
Flammability Aqueous solutions are non-flammable.
Fire Hazard Not applicable.
Fire-Fighting Procedures Not applicable.

**Section 6. Accidental Release Measures**

Spill Clean up Put on appropriate personal protective equipment (see Section 8). Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Wash contaminated clothing before reusing. Wash thoroughly after handling.
Storage Store away from incompatible materials. Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes Splash goggles. Face shield.
Body Neoprene gloves. Rubber gloves.
 Recommended: chemical resistant apron. Boots, Chemical resistant.
Respiratory Avoid breathing vapors or spray mists. Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

**Section 9. Physical and Chemical Properties**

Physical State Liquid. **Color** Clear. Colorless.
pH 13.0 - 13.4 **Odor** Faint Odor
Boiling Point 104.44°C (220°F) **Vapor Pressure** Not determined.
Specific Gravity 1.16 (Water = 1) **Vapor Density** Not determined.
Solubility Easily soluble in cold water, hot water. **Evaporation Rate** <1 compared to Water
VOC (Consumer) 0.0%

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Incompatibility Reactive with oxidizing agents, acids.
Hazardous Polymerization Will not occur.
Hazardous Decomposition Products carbon oxides (CO, CO₂) nitrogen oxides (NO, NO₂...)

Section 11. Toxicological Information

Toxicity to Animals **Sodium Metasilicate:**
 ORAL (LD50): Acute: 1280 mg/kg [Rat].
Tetrasodium Ethylenediamine Tetraacetate:
 ORAL (LD50): Acute: 3030 mg/kg [Rat].
Ethoxylated Alcohols:
 ORAL (LD50): Acute: 1400 mg/kg [Rat].
 DERMAL (LD50): Acute: >5000 mg/kg [Rabbit].

Section 12. Ecological Information

Ecotoxicity Not available.
Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream** Code: D002
 Classification: - (Hazardous waste.)
 Origin: - (Hazardous Waste Regulation)

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Not applicable.
DOT Classification Not a DOT controlled material (United States). **UN number** Not regulated.

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.